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POTENTIAL ENVIRONMENTAL JUSTICE (EJ) INDEX PIL

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Date : 14 Jan 04 13:05:39 Wedn

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Requestor : ROBERT F JOHNSO 6SF
Site Id Number : NMCHINOMINE
Site Name : CHINO MINE
County : GRANT
State/County FIPS Code : 35017
Location : -108 4 2.200 32 47 30

.300

Quality Assurance Resource : 3

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CHINO MINE
1990 - 50 square mile study area

Minority Ranking Value (DVMAV) : 3 Percent Minority
= 70
Economic Ranking Value (DVECO) : 2 Percent Economically Stre
ssed = 36.3
Population Ranking Value (PF) : 1 Total Population
= 898

Potential Environmental Justice Index (DVMAV * DVECO * PF) = 6

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CHINO MINE
2000 - 50 square mile study area

Minority Ranking Value (DVMAV) : 2 Percent Minority
= 72.5
Economic Ranking Value (DVECO) : 3 Percent Economically Stre
ssed = 38.2
Population Ranking Value (PF) : 1 Total Population
= 966

Potential Environmental Justice Index (DVMAV * DVECO * PF) = 6

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677588

CHINO MINE

1990 - 1 square mile study area

Minority Ranking Value (DVMAV) : 1	Percent Minority
= 0	
Economic Ranking Value (DVECO) : 1	Percent Economically Stressed = 0
Population Ranking Value (PF) : 0	Total Population
= 0	

Potential Environmental Justice Index (DVMAV * DVECO * PF) = 0

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CHINO MINE

2000 - 1 square mile study area

Minority Ranking Value (DVMAV) : 1	Percent Minority
= 0	
Economic Ranking Value (DVECO) : 1	Percent Economically Stressed = 0
Population Ranking Value (PF) : 0	Total Population
= 0	

Potential Environmental Justice Index (DVMAV * DVECO * PF) = 0

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POTENTIAL ENVIRONMENTAL JUSTICE (EJ) INDEX PIL

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The Potential Environmental Justice Index, or the independent subfactors comprising the index, should be used as a DEMOGRAPHIC CORRELATION VARIABLE for studies conducted by the PROGRAMS. These studies may be used to measure Agency policies or procedures

regarding sociological equity for enforcement or permitting activities. The information

given in this report does not represent the final analysis of a site in regard to

Environmental Justice or RISK. The indices and raw data reported are indicators of

Vulnerability for subgroups of people to other stressors.

METHODOLOGY CRITERIA

Environmental Justice Indexes are indicators of potential EJ concern.

1990 Census data for a Study Area is evaluated and ranked in relationship to

state percentages. Ranking variables are multiplied to produce an index for

prioritizing applications. The ranking variables are:

- ~ Minority Status, Degree of Vulnerability (DVMAV),
- ~ Economic Status, Degree of Vulnerability (DVECO),
- ~ and Total Population, Population Factor (PF).

~MINORITY STATUS (DVMAV) - In 1990, the percent minority for NM is 49.6%.

In 2000, the percent minority for NM is 55.3%.

~ECONOMIC STATUS (DVECO) - In 1990, Economically Stressed was defined as Households making

less than \$15,000 a year. For NM the percent economically stressed was 31%.

In 2000, Economically Stressed is defined as households making less than \$20,000 a year.

For NM the percent economically stressed was 28.7.

The Methodology for ranking values associated with Degrees of Vulnerability is

Ranking	Criteria
-----	-----
1	<= the State Percentage
2	> the State Percentage but <= 1.33 times the State Percentage
3	> 1.33 times the State Percentage but <= 1.66 times the State Percentage

he State Percentage

4 > 1.66 times the State Percentage but <= 1.99 times t
he State Percentage

5 >= 2 times the State Percentage

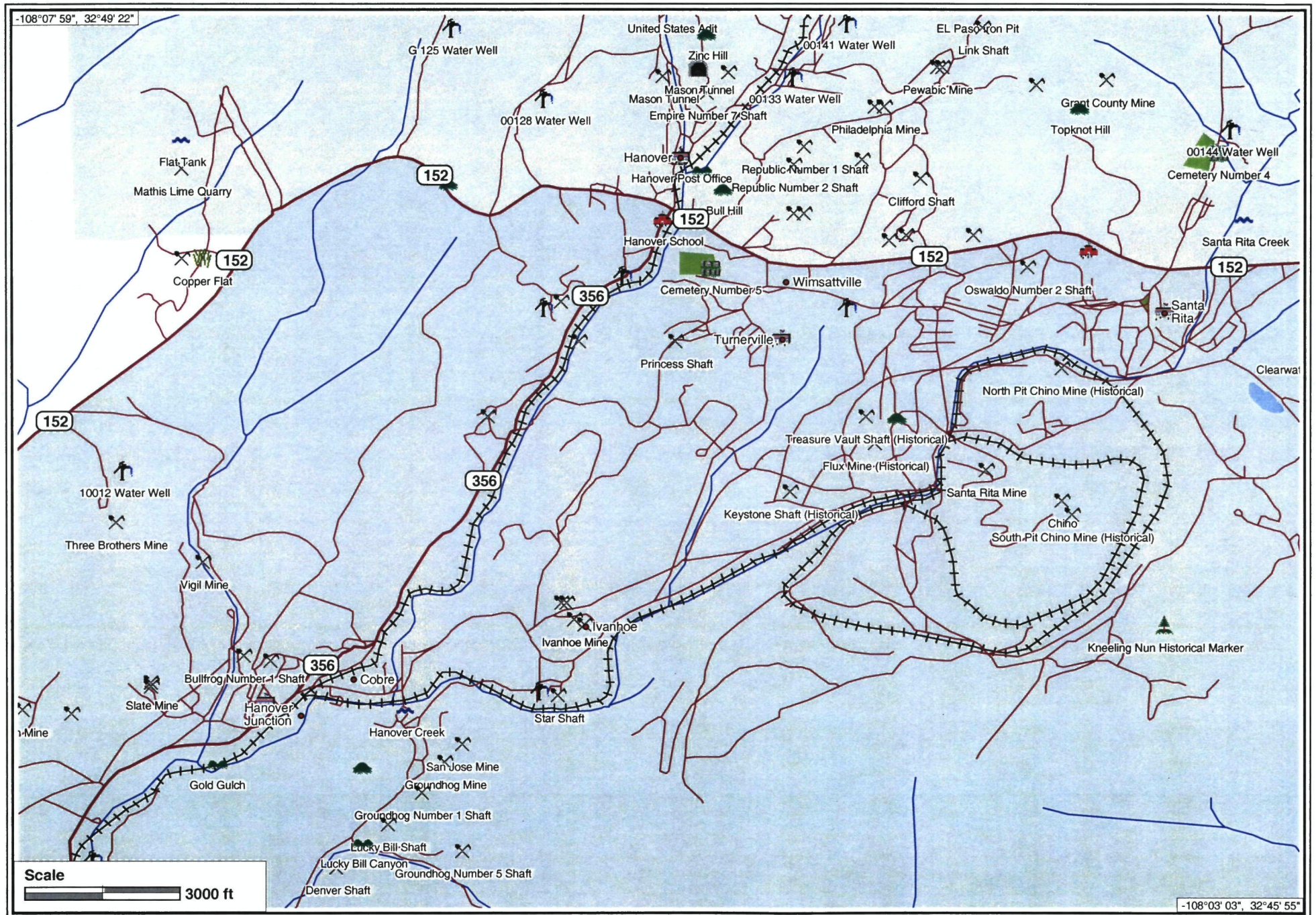
~POPULATION RANKING FACTOR Total Population is ranked using the
following criteria.

Ranking	Criteria	(evaluated on a 1 square mile basis)
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0	Total Population = 0	
1	Total Population > 0 and < 200	
2	Total Population > 200 and < 1000	
3	Total Population > 1000 and < 5000	
4	Total Population > 5000	

Reference for Quality Assurance Resources

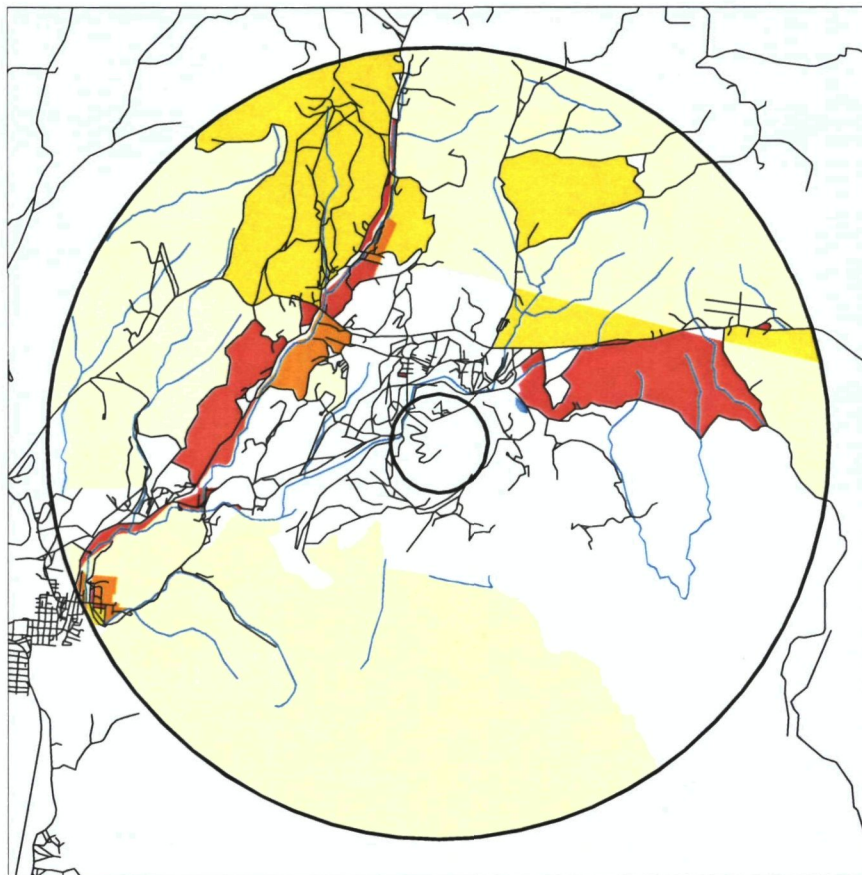
1	Personal Verification	7	AIRS
2	Reconciliation with Quad maps	8	PCS
3	Reported from archived files	9	GIS Verified
4	TRIS	10	Professional Judgement
5	RCRIS	11	Federal Facility Tracki
ng System			
6	CERCLIS	12	Dun & Bradstreet

Current Map

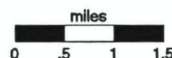


CHINO MINE, GRANT COUNTY, NM

Minority Status - Degree of Vulnerability (DVMAV)

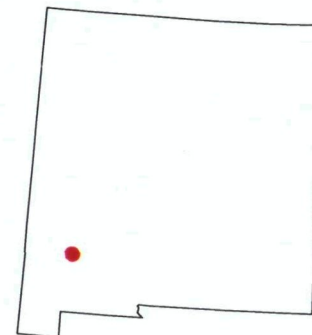


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Percent Minority by Census Block
State Percentage = 55.3

- ≤ the State Percentage
- > the State Percentage,
≤ 1.33 times the State Percentage
- > 1.33 times the State Percentage,
≤ 1.66 times the State Percentage
- > 1.66 times the State Percentage,
≤ 2 times the State Percentage
- > 2 times the State Percentage



Potential Environmental
Justice Index for
Two Study Areas

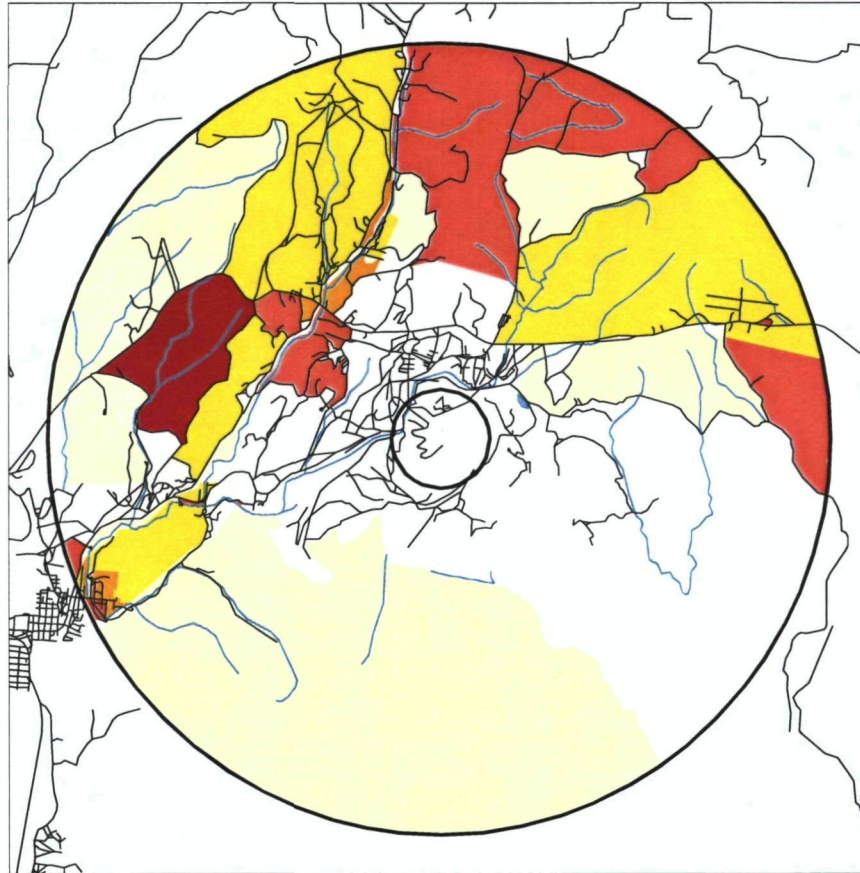
	1 Sq. Mile	50 Sq. Mile
Total Population	0	966
Population Ranking (PF)	0	1
Percent Minority	0%	72.5%
Minority Status (DVMAV)	1	2
Percent Economically Stressed	0%	38.2%
Economic Status (DVECO)	1	3
Environmental Justice Index	0	6

Data Sources and References: US Bureau of the Census, 2000 PL94-171, SF3 Data, and TIGER Files
US EPA Region 6, 1992. Computer Assisted Environmental Assessment Methodologies, Chapter V. Special Applications,
Environmental Equity. Planning and Analysis Section, Management Division, Region 6 EPA, Dallas, Texas

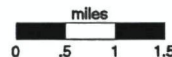


CHINO MINE, GRANT COUNTY, NM

Economic Status - Degree of Vulnerability (DVECO)

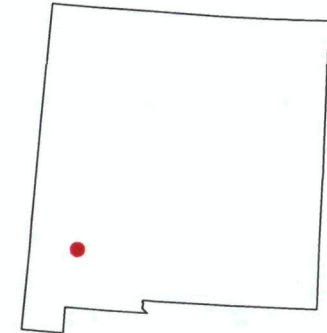


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Percent Economically Stressed
by Census Block Group
State Percentage = 28.7

- ≤ the State Percentage
- > the State Percentage,
≤ 1.33 times the State Percentage
- > 1.33 times the State Percentage,
≤ 1.66 times the State Percentage
- > 1.66 times the State Percentage,
≤ 2 times the State Percentage
- > 2 times the State Percentage



Potential Environmental
Justice Index for
Two Study Areas

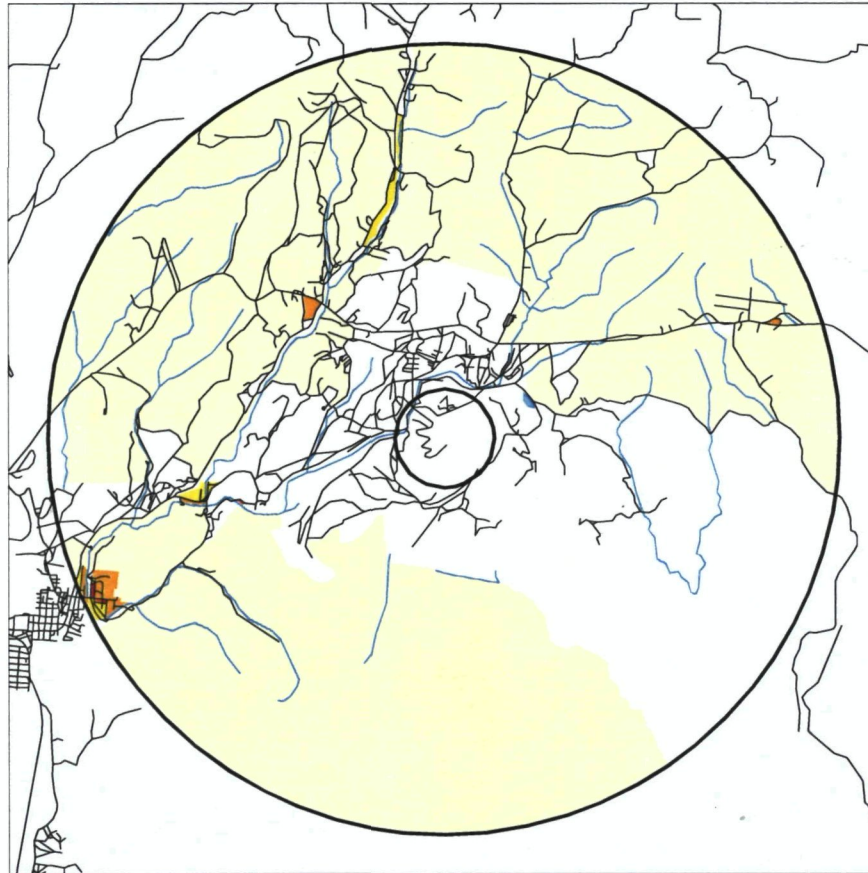
	1 Sq. Mile	50 Sq. Mile
Total Population	0	966
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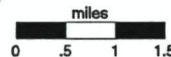


CHINO MINE, GRANT COUNTY, NM

Potential Environmental Justice Index (EJ)

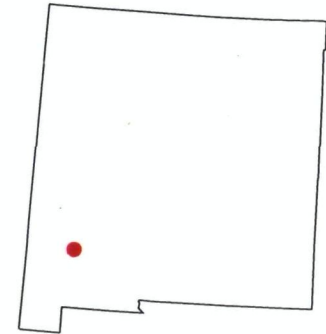


Longitude: -108 04 2.2 Latitude: 32 47 30.3



Criteria Ranked by Census Block
(DVMAV * DVECO * PF)

- 1 to 12
- 13 to 25
- 26 to 37
- 38 to 50
- 51 to 100



Potential Environmental
Justice Index for
Two Study Areas

1 Sq. Mile

50 Sq. Mile

Total Population
Population Ranking (PF)

0
0

966
1

Percent Minority
Minority Status (DVMAV)

0%
1

72.5%
2

Percent Economically Stressed
Economic Status (DVECO)

0%
1

38.2%
3

Environmental Justice Index

0

6

Data Sources and References: US Bureau of the Census, 2000 PL94-171, SF3 Data, and TIGER Files
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Environmental Equity. Planning and Analysis Section, Management Division, Region 6 EPA, Dallas, Texas

